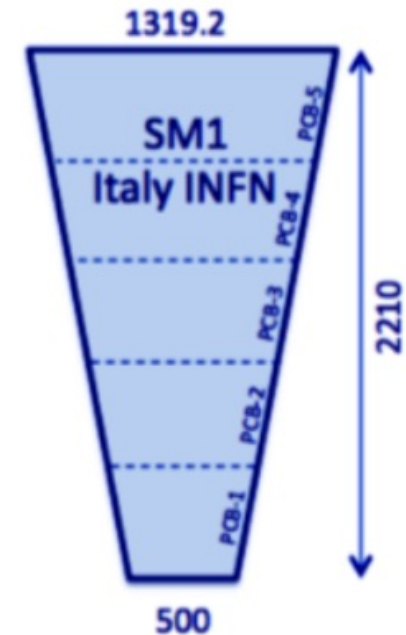
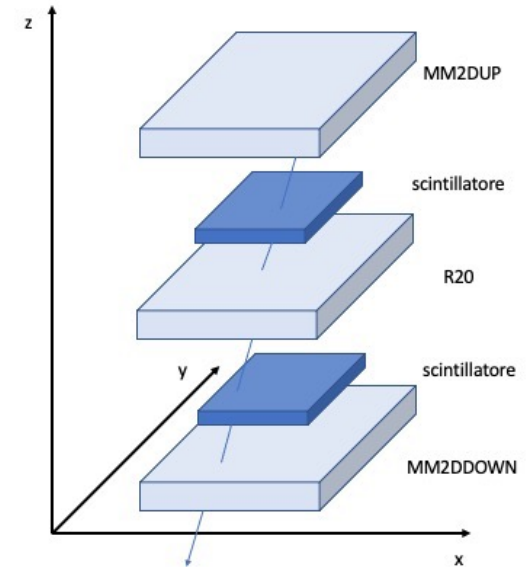


MicroMegas @ Hangar

- Micromegas a strip ($10 \times 10 \text{ cm}^2$), 1D e 2D: studi di performance con diverse Miscele Ar-CO₂ (Tesi Magistrale C.C.)
- Mod0.5 SM1-MM NSW: tracciamento delle camere per test di lunga durata con la Torre@Hangar. Paolo M. ha procurato elettronica per lettura di parte dei canali. Prossimo passo integrare le MM nella torre di tracciamento



NSW



- 6 Luglio, trasporto NSW-A
- 12 Luglio, NSW-A è stata calata nella caverna sperimentale di ATLAS
- 14 Ottobre, trasporto NSW-C
- 4 Novembre, anche la NSW-C è stata calata nella caverna.

Oggetto: HV on for both wheels!
Data: Sat, 18 Dec 2021 10:40:09 +0100
Mittente: mario antonelli <mario.antonelli@cern.ch>
A: Fabien Jeanneau <Fabien.Jeanneau@cern.ch>, Ralf Hertenberger <r.hertenberger@lmu.de>, Alexi Gongadze <alexigongadze@gmail.com>, Cesare Bini <Cesare.Bini@cern.ch>
CC: Paolo Iengo <paolo.iengo@cern.ch>, Rui De Oliveira <Rui.de.Oliveira@cern.ch>

Dear colleagues/friends,

the HV on our detectors is on for both wheels since yesterday around 20:00 we are flushing with the Iso enriched gas mixture since few days the HV value of 490 V as been set on more than 99% of the total of 3968 channels (sector 1 and 15 of side c have still to flush a bit) the ramping up has been easy and the lees than 1% channels with still few sparks at 490 V (most in the range of 20-100 nA) are kept stable lower voltage (460 V or so) we can still work on them. Our students are taking care of the monitoring(they will prepare a report)...all the channels are very much stable !!! the plan is to keep this setting until 23 December evening with the exception of Monday 20 morning because of an aug test in ATLAS. We think this is a fantastic Christmas present for all of us and our teams having working so hard in the last years. We wish you a merry Christmas and happy new year Mario and Paolo

just first 2 layers of c 16...

Subject: Fwd: HV on for both wheels!

From: "Cesare Bini" <cesare.bini@roma1.infn.it>

Date: Sat, December 18, 2021 2:17 pm

To: "atlas-nsw-ita@lists.infn.it" <atlas-nsw-ita@lists.infn.it>

Priority: Normal

Options: [View Full Header](#) | [View Printable Version](#) | [Download this as a file](#)

Carissimi, inoltre questo messaggio che Mario e Paolo hanno circolato ai siti costruttivi delle Micromegas. Sono ottime notizie a coronamento di un periodo di grande lavoro e impegno che ha portati a risultati davvero eccellenti. Congratulazioni a tutti. Colgo l'occasione per inviarvi i miei auguri di buon Natale. Cesare

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DETECTORS | FEATURE

Wheels in motion for ATLAS upgrade

20 October 2021

New muon end-cap wheels currently being installed in the ATLAS detector will provide precision tracking and triggering at high rates for Run 3 and beyond.



transport to Point 1 of 2021, only a few significantly extend its life. The LHC is expected to be operational in 2026.

